



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Rajiv Kumar et al.
 Serial No. : 10/824,632
 Filed : April 14, 2004
 Title : IEX-1 KNOCKOUT ANIMALS

Art Unit : 1632
 Examiner : Unknown

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

POWER OF ATTORNEY BY ASSIGNEE AND ELECTION OF
 ASSIGNEE TO CONDUCT PROSECUTION TO EXCLUSION OF INVENTORS

The undersigned, as authorized representative of the assignee of the entire right, title and interest in the above-identified application, hereby appoints

Mark S. Ellinger, Reg. No. 34,812
 J. Patrick Finn III, Ph.D., Reg. No. 44,109
 Elizabeth N. Kaytor, Ph.D., Reg. No. 53,103
 M. Angela Parsons, Ph.D., Reg. No. 44,282
 Ann S. Viksnins, Reg. No. 37,748

Richard J. Anderson, Reg. No. 36,732
 Teresa A. Lavoie, Ph.D., Reg. No. 42,782
 Ronald C. Lundquist, Ph.D., Reg. No. 37,875
 James Rogers, Reg. No. 37,228
 John Hayden, Reg. No. 37,640

as its attorney(s) to prosecute the application and to transact all business in the Patent and Trademark Office connected therewith with full powers of substitution and revocation, said appointment to be to the exclusion of the inventors and their attorney(s) in accordance with the provisions of 37 CFR §3.71 *et seq.* of the Patent Office Rules of Practice.

Ownership is in the assignee by virtue of the assignment documents signed on July 28, 2004 (copy attached). The documents evidencing ownership have been reviewed and to the best of the assignee's knowledge and belief, title is in the assignee.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

August 24, 2004
 Date of Deposit
Judy Wasikus
 Signature
JUDY WASIKUS
 Typed or Printed Name of Person Signing Certificate

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Filed : April 14, 2004
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Attorney's Docket No.: 07039-523001 / MMV-03-150

Please direct all communications regarding the application to the attorney at the address and telephone numbers indicated below.

Mark S. Ellinger, Ph.D.
Fish & Richardson P.C., P.A.
60 South Sixth Street, Suite 3300
Minneapolis, MN 55402

Signature: Rick F. Colvin

Typed name: Rick F. Colvin

Title: Assistant Treasurer

Assignee: Mayo Foundation for Medical Education and Research

Date: 8/23/04

Fish & Richardson P.C., P.A.
60 South Sixth Street, Suite 3300
Minneapolis, MN 55402
Telephone: (612) 335-5070
Facsimile: (612) 288-9696

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ASSIGNMENT

For valuable consideration, we, RAJIV KUMAR of 2104 Baihly Hills Drive S.W., Rochester, MN 55902, JAN VAN DEURSEN of 910 11th Street S.W., Rochester, MN 55902, hereby assign to: Mayo Foundation for Medical Education and Research, a corporation of Minnesota having a place of business at: 200 First Street S.W., Rochester, MN 55905; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled IEX-1 KNOCKOUT ANIMALS, filed April 14, 2004, and assigned U.S. Serial Number 10/824,632; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Rochester MN,
this 28th day of July, 2004.

JAN VAN DEURSEN

L.S.

State of MINNESOTA :

: ss.

County of OLMSTED :

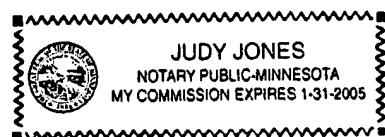
Before me this 28 day of July, 2004, personally appeared JAN VAN DEURSEN known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Judy Jones
Notary Public

My Commission Expires:

[Notary's Seal Here]

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IN WITNESS WHEREOF, I hereto set my hand and seal at Roberton, MN,
this 28th day of July, 2004.

Rajiv Kumar L.S.
RAJIV KUMAR

State of MINNESOTA :

: ss.

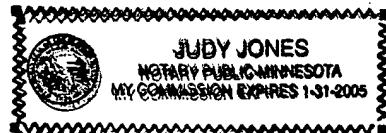
County of OLMSTED :

Before me this 28 day of July, 2004, personally appeared RAJIV KUMAR known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Judy Jones
Notary Public

My Commission Expires:

[Notary's Seal Here]





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DECLARATION BY THE INVENTOR

As a below-named inventor(s), I hereby declare that:

My residence, post office address and citizenship are as stated next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

IEX-1 KNOCKOUT ANIMALS

the specification of which:

was filed on April 14, 2004, as Application Serial No. 10/824,632, and identified as Attorney Docket No. 07039-523001.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 CFR §1.56(a).

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

August 24, 2004
Date of Deposit
Judy Wasilkus
Signature
JUDY WASILKUS
Typed or Printed Name of Person Signing Certificate

I hereby claim the benefit under Title 35, United States Code, §119(e)(1) of any United States provisional application(s) listed below:

<input type="checkbox"/> U.S. Serial No.	Filing Date	Status
N/A		

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information I know to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

U.S. Serial No.	Filing Date	Status
N/A		

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed

Country	Application No.	Filing Date	Priority Claimed
N/A			

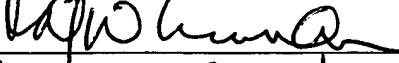
I hereby declare that all statement made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are

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punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of inventor: RAJIV KUMAR

Inventor's signature: 

Date: July 26, 2004

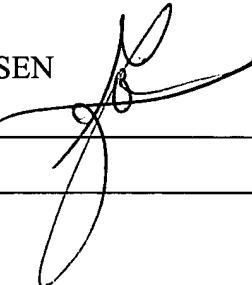
Residence: Rochester, MN

Citizen of: United States

Post Office Address: 2104 Baily Hills Drive S.W.

Rochester, MN 55902

Full name of inventor: JAN VAN DEURSEN

Inventor's signature: 

Date: 7-26-04

Residence: Rochester, MN

Citizen of: United States

Post Office Address: 910 11th Street S.W.

Rochester, MN 55902